



**Figure 46.** Diel vs. tidal force influence on pH, NERR SWMP 1999-2000.

Two sites were excluded from this comparison due to shortage of data, and data on pH were typically only two years in duration, as opposed to 5-6 years for previously discussed variables, so patterns may not be as well defined for pH as for preceding variables (Figure 46). Sites evaluated were almost evenly divided between the tidal- and diel-dominant groups. Sites with strong tidal influence on pH include Hudson River – Tivoli Bay sites, Great Bay - Squamscott River, both ACE Basin sites, the North Inlet – Winyah Bay sites, the South Slough sites, the Wells – Inlet site, and all four Sapelo Island sites. Sites representing the most extreme diel influence on pH include the Hudson River – Sawkill site, the Elkhorn Slough – Azevedo Pond site, The Chesapeake Bay Virginia – Goodwin Island site, and the Padilla Bay, Waquoit Bay, Tijuana River, and Jobos Bay sites.